

PIPEWORK

- STW --- STORMWATER
--- SS --- SUBSOIL
--- DP --- DOWNPIPE
--- RD --- ROOF DRAINAGE
--- --- EXISTING SERVICE

PIPEWORK SYMBOLS

- R RISER
D DROPPER
COF CAPPED OFF
HP HORIZONTAL PENETRATION
DOF DIRECTION OF FLOW
NC NEW CONNECTION
C CONTINUATION
IO INSPECTION OPENING
- STWKIP STORMWATER KERB INLET PIT
STWIP STORMWATER INLET PIT
- GRD GRATED DRAIN
SO SAFETY OVERFLOW
SP SPREADER
RWO RAINWATER OUTLET
BRWO BALCONY RAINWATER OUTLET
PRWO PLANTER RAINWATER OUTLET
SRWO SPOON DRAIN RAINWATER OUTLET

ABBREVIATIONS

- FFL FINISH FLOOR LEVEL
IL INVERT LEVEL
RL REDUCED LEVEL
UPVC UNPLASTICIZED POLYVINYL CHLORIDE
NTS NOT TO SCALE
UNO UNLESS NOTED OTHERWISE
SQ SQUARE
mm MILLIMETRES
m METRES
m2 SQUARE METRES
m3 CUBIC METRES
/sec PER SECOND
MIN MINIMUM
MAX MAXIMUM
APPR APPROXIMATELY
DIA DIAMETER
EX EXISTING
AHD AUSTRALIAN HEIGHT DATUM

STORMWATER GENERAL NOTES

ALL IN ACCORDANCE WITH COUNCIL'S STORMWATER REQUIREMENTS

PIPEWORK DESIGN

ALL PIPEWORK IS SIZED AND DESIGNED TO HANDLE A 1:100 YEAR EVENT RAINFALL

PIPEWORK

ALL PIPEWORK TO BE 100mm @ 1% FALL (UNO)

STORMWATER PIT SIZES

DEPTH TO BASE OF CHAMBER	RECTANGULAR		CIRCULAR	LADDER / STEP IRON
	WIDTH	LENGTH		
SMALLER THAN 600	450	450	600	NO
601 TO 900	600	600	900	NO
901 TO 1200	600	900	1050	NO
GREATER THAN 1200	900	900	1050	YES

STORMWATER REQUIREMENTS

ALL IN ACCORDANCE WITH COUNCIL'S NORTHERN BEACHES STORMWATER REQUIREMENTS (OLD WARRINGAH COUNCIL AREA)

PROPOSED WORKS

NEW RESIDENTIAL SINGLE DWELLING

SITE AREA

TOTAL SITE AREA: 404.6m²

ON SITE DETENTION

ACCORDING TO COUNCIL'S OSD CHECKLIST: NO ON SITE DETENTION IS REQUIRED (FOR SINGLE RESIDENTIAL DWELLINGS) IF THE SITE AREA IS SMALLER THAN 450.0m².

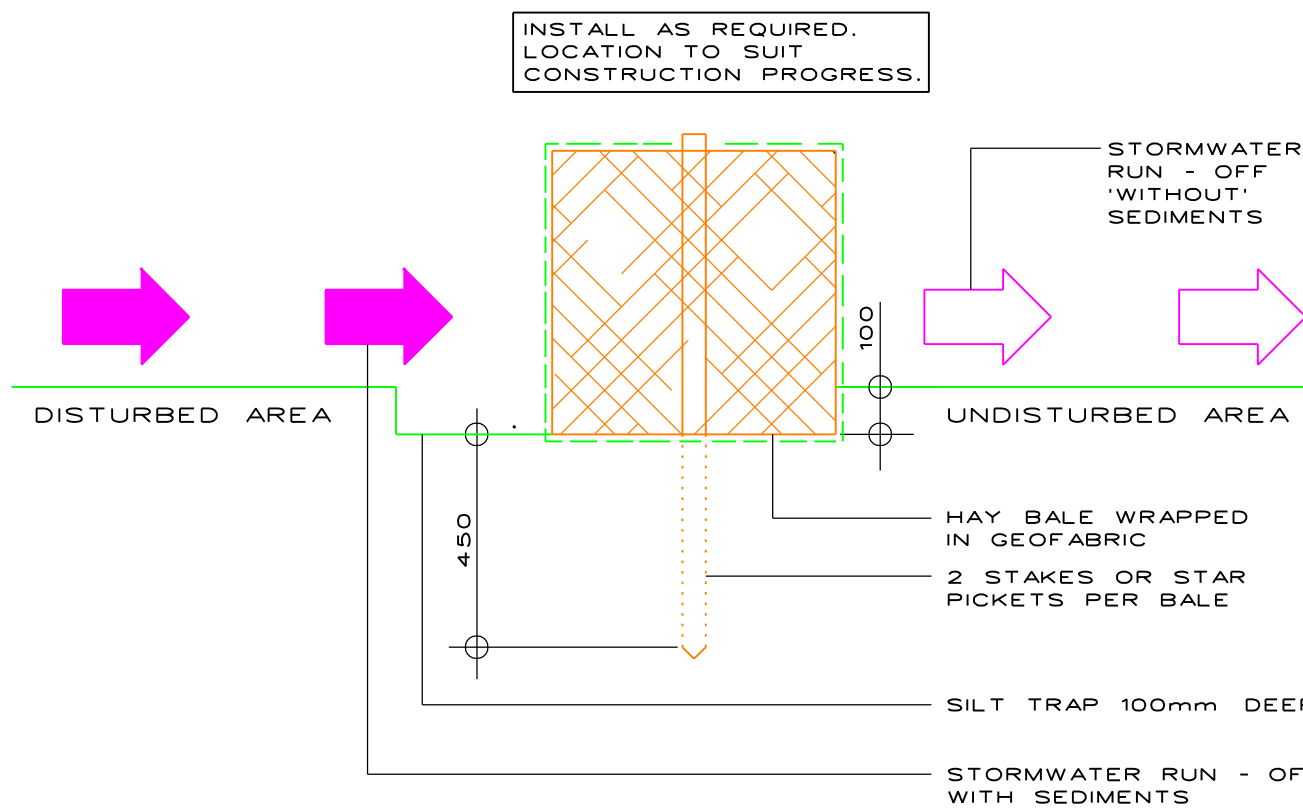
RAINWATER COLLECTION

A RAINWATER COLLECTION TANK IS PROPOSED IN LINE WITH THE BASIS REPORT

STORMWATER DRAWING ONLY

- NOT FOR CONSTRUCTION
- FINAL LOCATION OF ALL DOWNPIPES, PITS, RAINWATER OUTLETS AND SUBSOIL PIPES TO BE CONFIRMED DURING CONSTRUCTION CERTIFICATE STAGE OF THE PROPOSED DEVELOPMENT

INSTALL AS REQUIRED. LOCATION TO SUIT CONSTRUCTION PROGRESS.



DETAIL 1: HAY BALE BARRIER
NTS

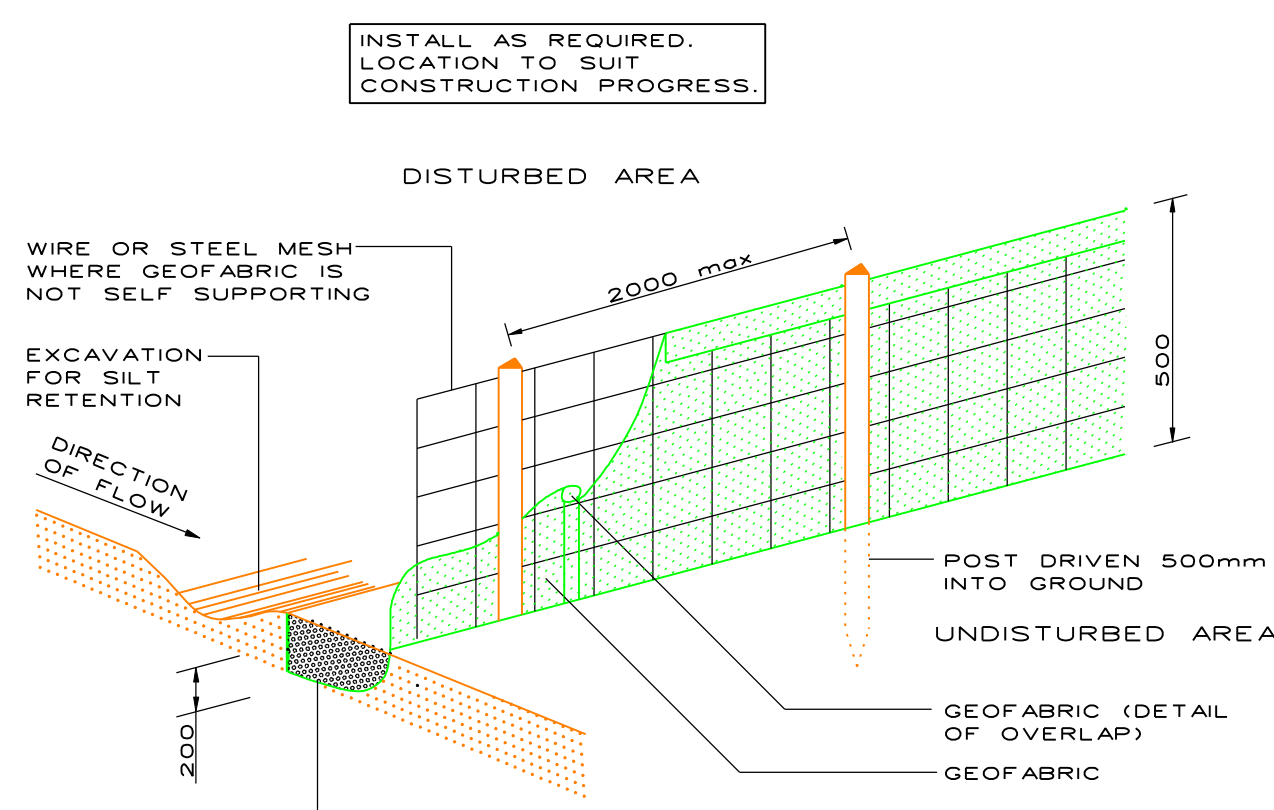
TYPICAL NOTE:
EXISTING FENCE / WALL (PREVENTS RUN OFF ONTO NEIGHBOURING PROPERTY)

TYPICAL NOTE:
SILT FENCE (REFER TO DETAIL 2)

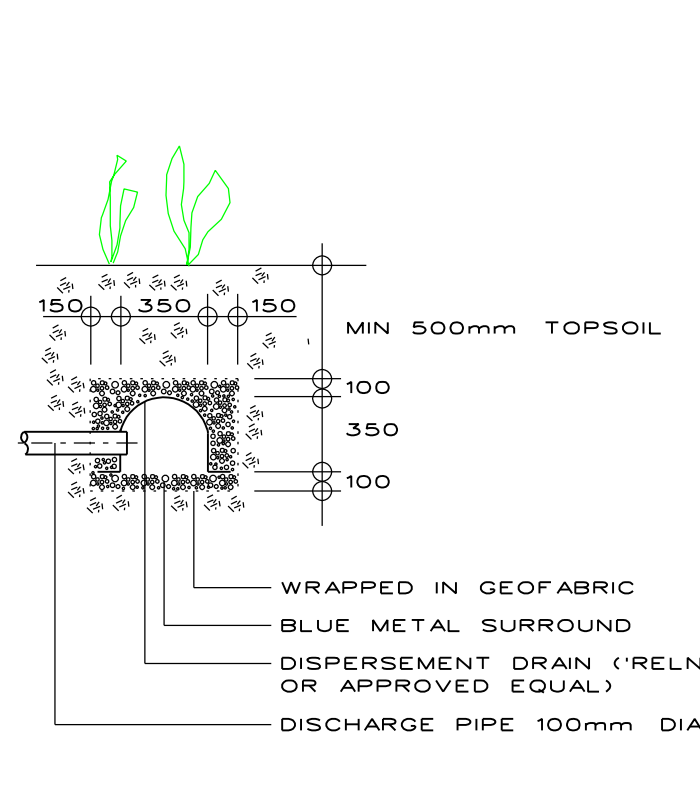
TYPICAL NOTE:
OVERLAND FLOW WITH SEDIMENTS

TYPICAL NOTE:
OVERLAND FLOW 'WITHOUT' SEDIMENTS

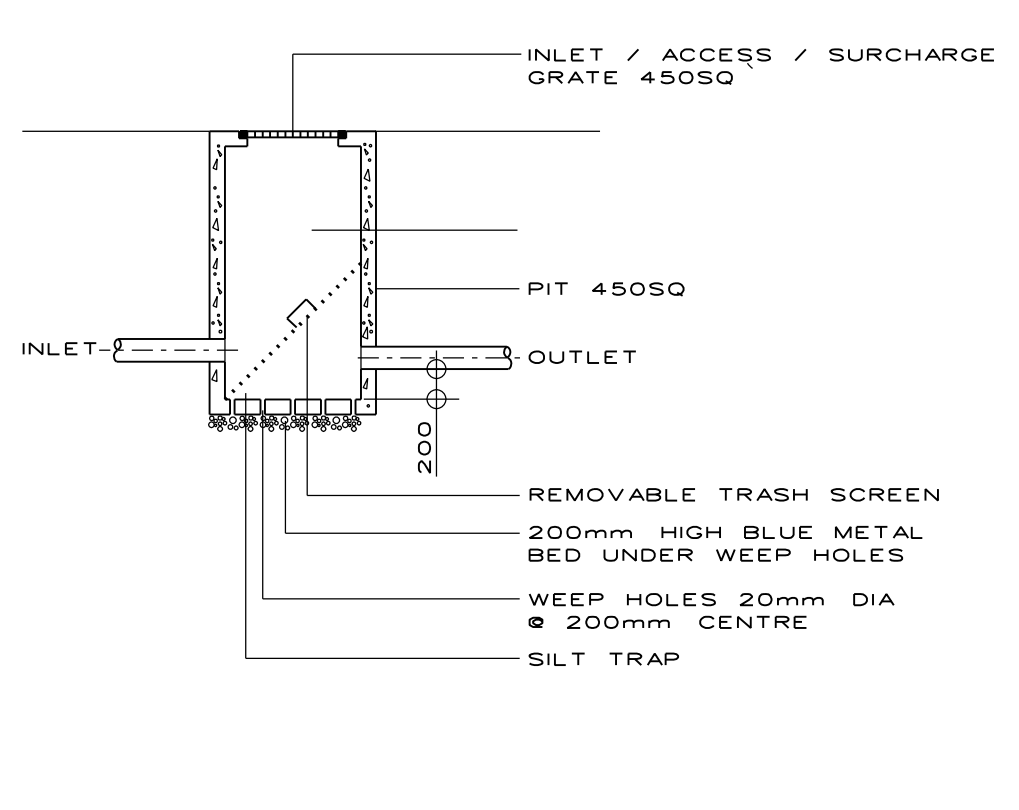
INSTALL AS REQUIRED. LOCATION TO SUIT CONSTRUCTION PROGRESS.



DETAIL 2: SILT FENCE
NTS



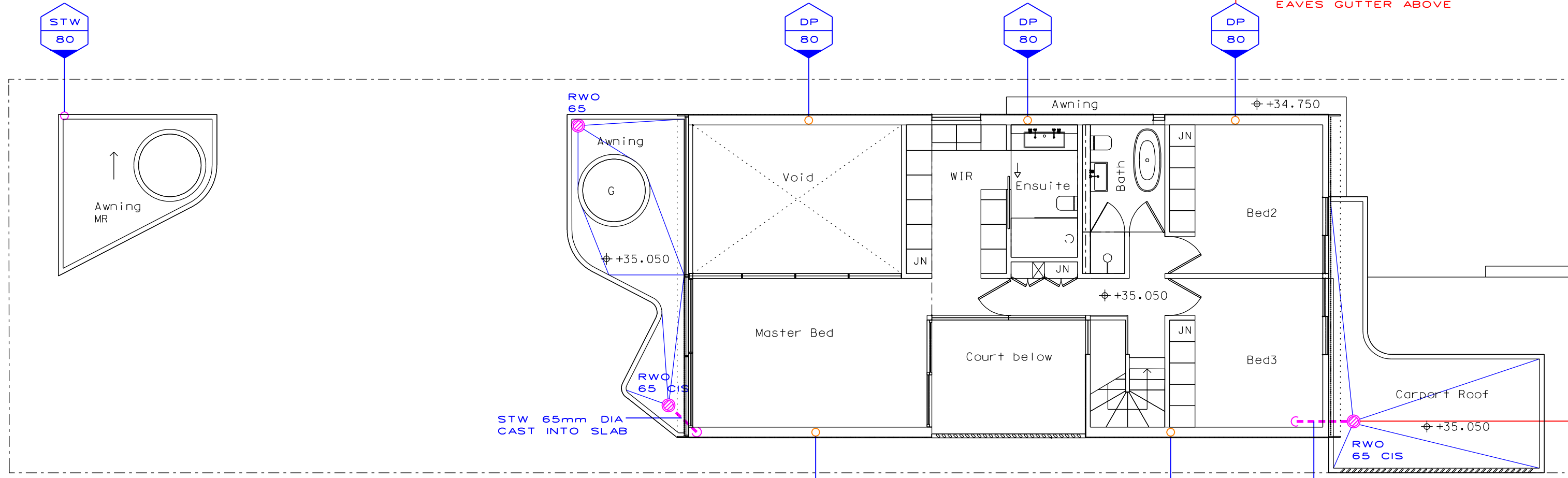
DETAIL 3: DISPERSMENT TRENCH
NTS



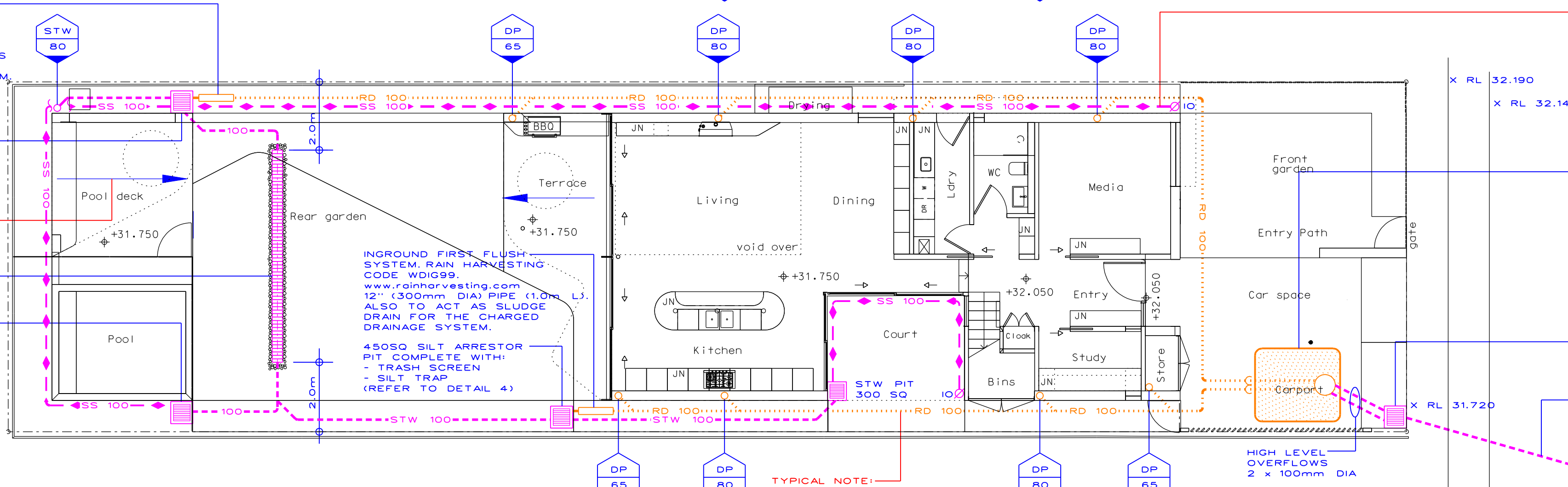
DETAIL 4: SILT ARRESTOR PIT & TRASH SCREEN
NTS

SEDIMENTATION CONTROL DURING CONSTRUCTION

1:200 @ A1 / 1:400 @ A3



FIRST FLOOR - STORMWATER
1:100 @ A1 / 1:200 @ A3



GROUND FLOOR - STORMWATER
1:100 @ A1 / 1:200 @ A3

TYPICAL NOTE:
ALL RAINWATER OUTLETS TO BE SPS 100 / 65 ROUND MULTI PURPOSE DRAIN (OR APPROVED EQUIVALENT).
COMPLETE WITH:
- 100mm DIA GRATE
- 65mm DIA DISCHARGE PIPE (CAST INTO SLAB WHERE INDICATED CIS)

TYPICAL NOTE:
ALL SUBSOIL DRAINAGE PIPES TO BE 100mm DIA COMPLETE WITH 200mm BLUE METAL SURROUND WRAPPED IN GEOFABRIC. USE PVC PIPES WITH TOP HALF SLOTTED AND NOT COILS. FINAL LOCATION AND EXTENT TO BE CO - ORDINATED WITH:
- STRUCTURAL ENGINEER
- GEOTECHNICAL ENGINEER
- LANDSCAPING CONSULTANT / CONTRACTOR
- SOIL CONDITIONS

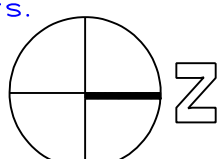
BELOW GROUND RAINWATER COLLECTION TANK COMPLETE WITH:
- 100mm DIA HIGH LEVEL OVERFLOW PIPE
- ACCESS LID
- SWITCH OVER SYSTEM
- RE - USE PUMP AND CONTROLS
- BACKWASH FILTER
MIN. TOTAL CAPACITY: 3 000 ltrs (IN ACCORDANCE WITH THE BASIS REPORT)
SUGGESTED: GRAF 3000 LT Lilo (OR APPROVED EQUIVALENT)
2.45m L x 2.1m W x 1.05m H
www.osctanks.com.au

450SQ SILT ARRESTOR PIT COMPLETE WITH:
- TRASH SCREEN
- SILT TRAP (REFER TO DETAIL 3)

FOOTPATH CROSSING WITH 100 H x 200 W RHS (HOT DIPPED GAL.) IN ACCORDANCE WITH AUTHORITIES REQUIREMENTS TO BE CO - ORDINATED WITH POSSIBLE EXISTING SERVICES)

PAY ALL FEES AND CHARGES. CONNECT TO KERB AND GUTTER IN ACCORDANCE WITH AUTHORITIES REQUIREMENTS.

APPROVAL



REV	DESCRIPTION	DATE
A	ISSUED FOR DA	27.11.20

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PROJECT
48 JOHNSON
STREET
FRESHWATER
NSW 2006

DRAWING TITLE
SEDIMENTATION
CONTROL AND
STORMWATER

SCALE		JOB No			
AS SHOWN		20 / 89			
DISCIPLINE		DRAWING No		REVISION	
HYD		H - D A - 00		A	